

LITTLE COLORADO RIVER BASIN

09400660 BOW AND ARROW WASH AT FLAGSTAFF, AZ

LOCATION.--Lat 35°09'58", long 111°39'10", in NW¹/₄NE¹/₄ sec.33, T.21 N., R.7 E., Coconino County, Hydrologic Unit 15020015, at Zuni Road in Flagstaff.

DRAINAGE AREA.--2.06 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1969	00-00-69	45	C	1975	00-00-75	13	C
1970	09-05-70	42	C	1976	07-00-76	7.0	ES,C
1971	08-15-71	73	C	1977	08-09-77	24	C
1972	12-28-71	26	C	1978	10-06-77	20	C
1973	00-00-73	10	LT,C	1979	11-11-78	17	C
1974	08-02-74	12	C	1980	02-18-80	40	ES,C

Magnitude and probability of instantaneous peak flow based on period of record 1969-80

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
22.1	39.7	53.9	74.7	92	111
Weighted skew	(logs) =	-0.02			
Mean	(logs) =	1.34			
Standard dev.	(logs) =	0.31			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
46.5	2.9	6,990	75.0	3.0	19.4	2.0	4.0

